

10 20 30 40 50 60  
ATTTAGTTATAAAATGTTGCTATTTTGTGATCTAGTCTGAATCTTTTAGTGAGGCAG  
70 80 90 100 110 120  
ATGATGAAGATTATGAATTTCTTCATGAAATTTATGTAAAGAAAAGAACATAGAGAAGCT  
130 140 150 160 170 180  
GCGGAATGAAAGTACACTGTTCTTTTCACGGAGAAAGATAAATAAGCATTAATCTTCTT  
190 200 210 220 230 240  
CTTCAGTTTTTAAACACACATTTTGGAAATTTTGATGTAAATAATCTCTTTGGAACGTTGT  
250 260 270 280 290 300  
GTTGCTGAAATCTTCCCAAAGGTTCTATCAGAAAGAAAGGATAAAAGTTTCATAGAAAC  
310 320 330 340 350 360  
CCAAATGGACAACAACAACAACAACACTTTTAGTTCTCTGGATAAATGTCATGACTAAC  
370 380 390 400 410 420  
CAAAATCCTCTTCTCATGGATTTTATACCTTCAAGAGAAGATTCAACTTCATTCTCAACA  
430 440 450 460 470 480  
ATGCTTCCATGGAATACCATCAGATCAGATCCTCTACAAATGGGTGGCTTTGATATTTTC  
490 500 510 520 530 540  
AATTCATGCTGACTAACAAATACTTATCATCTTCTCCACGGTCTATCGATGTTCAAGAT  
550 560 570 580 590 600  
AACCGCAATGTTGAGTTTCATGGCTCCTCCTCATCTCTCCACTTCATCCTTTGGAT  
610 620 630 640 650 660  
CATTTAAGACACTATGATGATTCTCTCAACAACATGTGGGGTTTTGAAGCAAAATAGTGAG  
670 680 690 700 710 720  
TTTCAGGCATTTTCAGGTGTAGTTGGTCCCAAGTGAACCAATGATGTCTACATTCCGGTGAA

FIG. 1

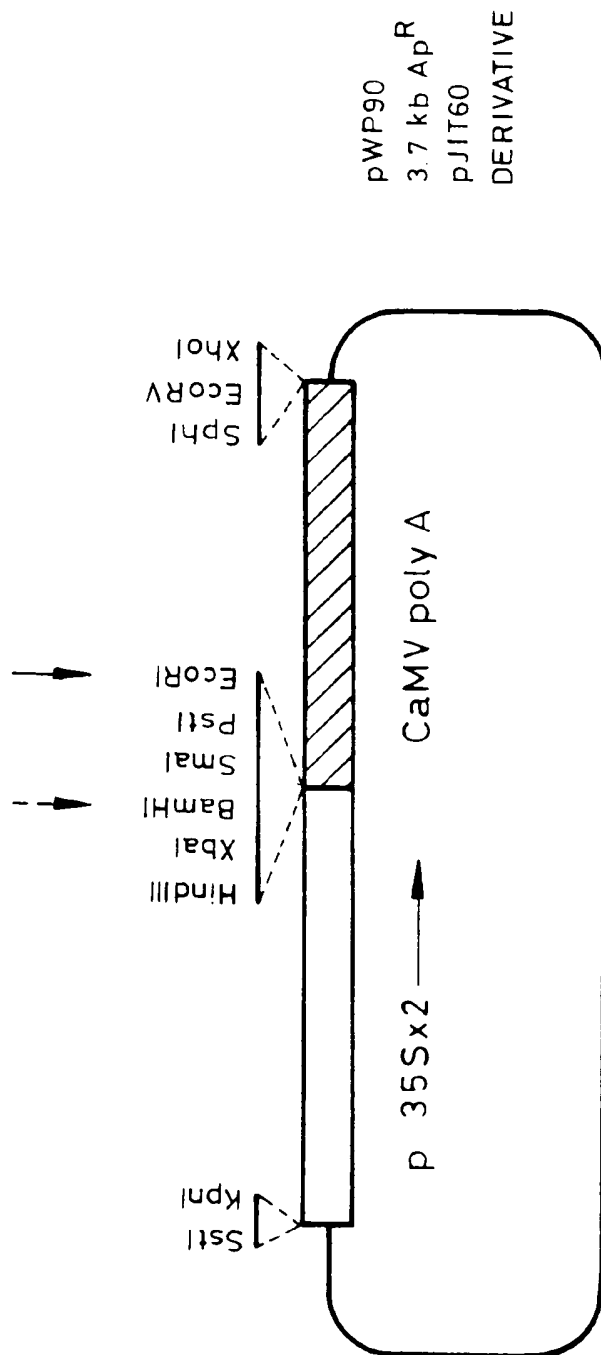
FIG. 1(CONTD)

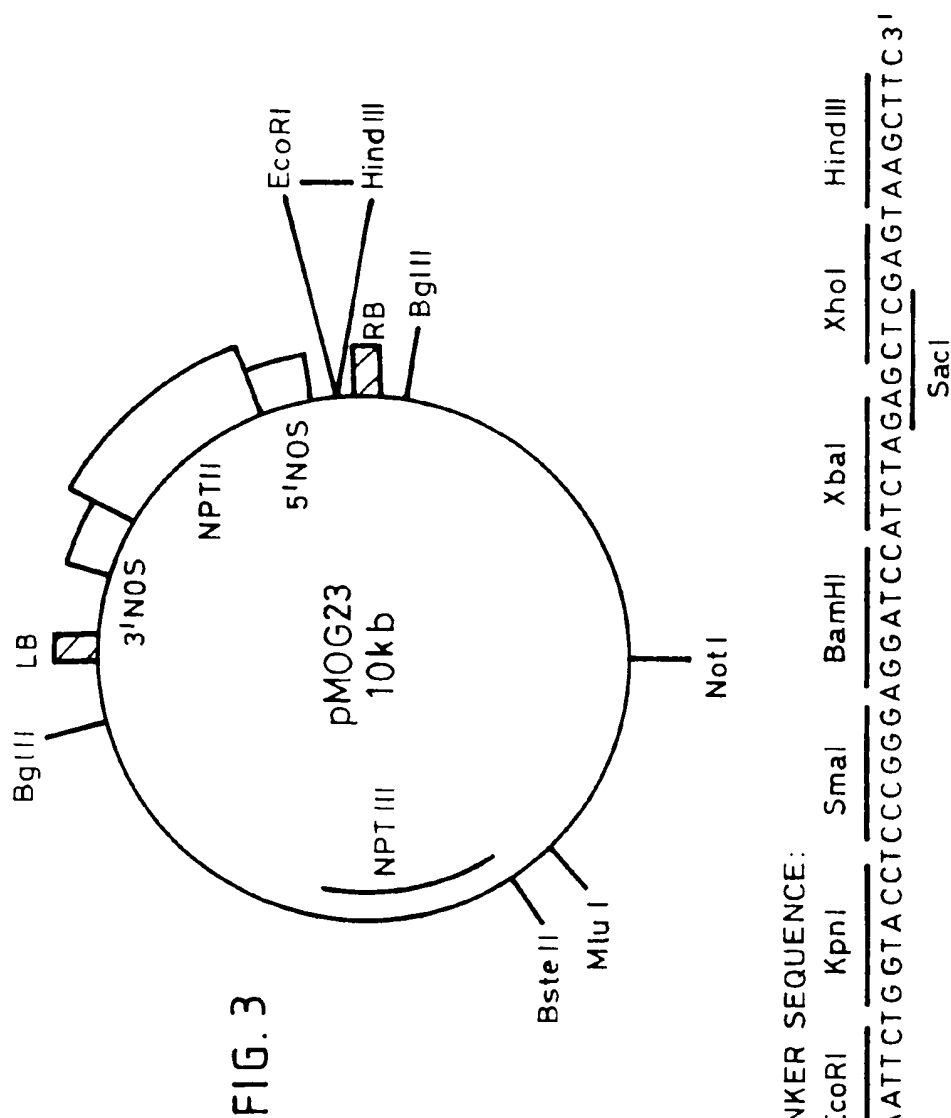
730	740	750	760	770	780
GAAGATTCCCGTTTCTAATTTCGAATAAAGAAACAATGAGCTTTCATTGAGTCTTGCA					
790	800	810	820	830	840
TCAGATGTTTCTGATGAATGCTCGGAGATAAGTCTTTGTGCAAGCTACAAGATTAGCCTCA					
850	860	870	880	890	900
GAGCAAGCTTCTTGCAAGCAGCAAGACATTTCTAATAACGTTGTTACTCAAGGTTTCTCT					
910	920	930	940	950	960
CAACTTATATTGGCTCAAAATACCTTCACTCTGTTCAGAAATACTATCTCATTTTCGCC					
970	980	990	1000	1010	1020
GCATACTCGCTCGATTATTTCATCTCGAGGAACCGAGTCAGGAGCTGCTAGTTCAGCCTTT					
1030	1040	1050	1060	1070	1080
ACTTCACGTTTGTGAAATATAACTGAGTTTCTTGATGGTGATTCTFAATAACTCGGAGCG					
1090	1100	1110	1120	1130	1140
GGTTTCGGATCTACATTTCAAAGGAGAGCATTAGAAGCAAAGAAACCCATCTCTTGGAT					
1150	1160	1170	1180	1190	1200
CTTCTTCAAATGGTGGATGATCGATATAGTTCATTGCGTAGATGAGATTTCATACGGTTATA					
1210	1220	1230	1240	1250	1260
TCAGCGTTCATGCTGCAACCGAGTTAGATCCACAGTTACACACCCGGTTGCCCTCCAA					
1270	1280	1290	1300	1310	1320
ACCGTTTCCTTCTTATACAAGAACCTGAGAGAGAGAATCTGCAATAATAATCTCTATG					
1330	1340	1350	1360	1370	1380
GGATCTGTATTGGAGAGAGGGCAAAGACAAGACTCAAGAAACCTCTATGTTCCACCCAGCAT					
1390	1400	1410	1420	1430	1440

TGCCTTCTTCAGCAGCTGAAACGAAAGAACCATCAGATTGGAGACCTCAACGAGGTTTG  
1450 1460 1470 1480 1490 1500  
CCTGAGAAATCTGTTTCGGTTCTACGGAATTGGATGTTCCAAAACCTTCCTTCAACCCTTAC  
1510 1520 1530 1540 1550 1560  
CCGAAAGATTGGAGAAACATCTTCTAGCTATACGAAGTGGCTTGACAAGAAGTCAGGTA  
1570 1580 1590 1600 1610 1620  
TCAAACTGGTTTATAAATGCGCGGGTTAGGCTATGGAAGCCGATGATAGAAAGATGTAT  
1630 1640 1650 1660 1670 1680  
GCGGAAATGAACAAGAGGAAGCTCAATAACAGTCACATTCAACCCCAACGGACCAACTCTT  
1690 1700 1710 1720 1730 1740  
CGAATGCCAAAATCTGTTATGATGAGCCCAAGCAATGCATAAATAAGACAACAATTGTGTT  
1750 1760 1770 1780 1790 1800  
TACCAACTTTGTGATAATTAGGCAATTGCTACTCTATGATTGCCCAAAACCTAAACCATG  
1810 1820 1830 1840 1850 1860  
TAGGACTATCATACGTATGTTATAATTGTATATACAACCTCCTTTATCTTTGACTATTTC  
1870 1880 1890 1900  
ATTTTATTAAAAAATAAAAAA

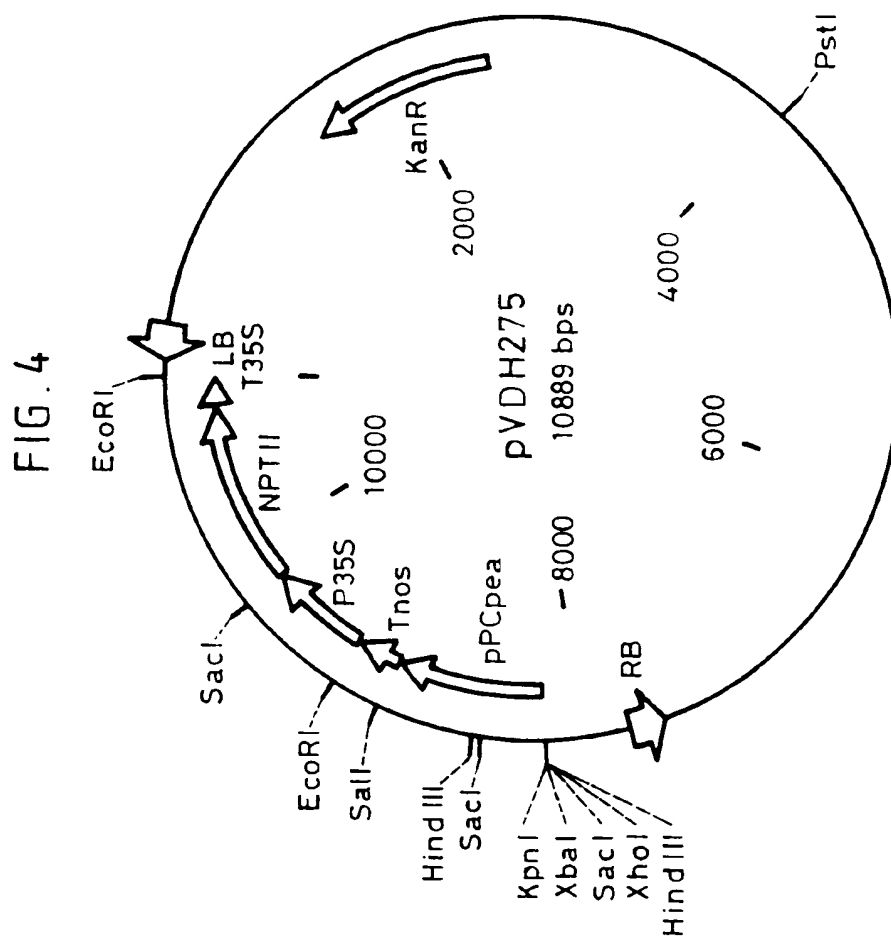
FIG. 1 (CONT'D)

FIG. 2





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FIG. 5 AtH1 OVEREXPRESSION CAUSES A REDUCTION IN STEM ELONGATION

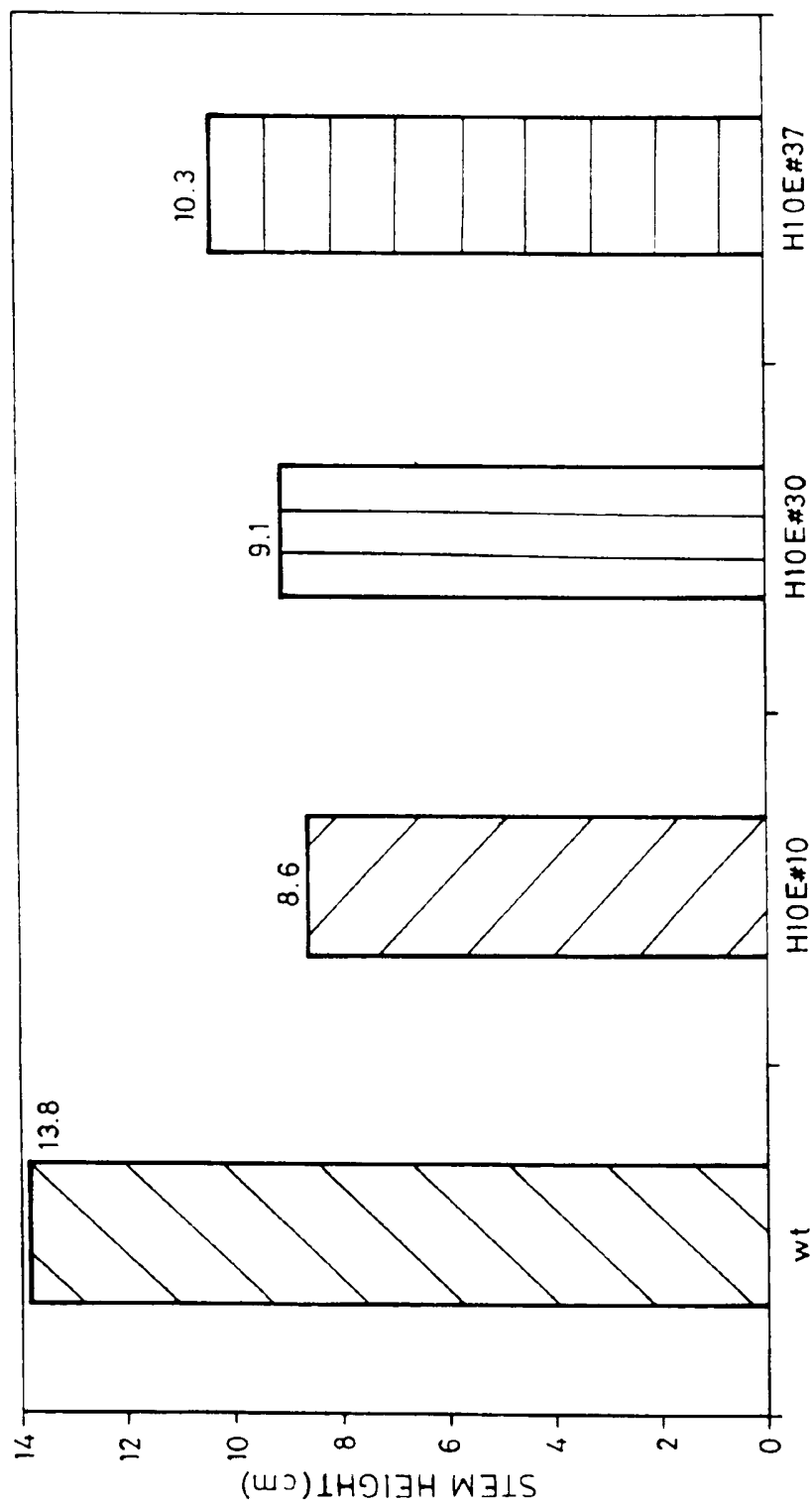
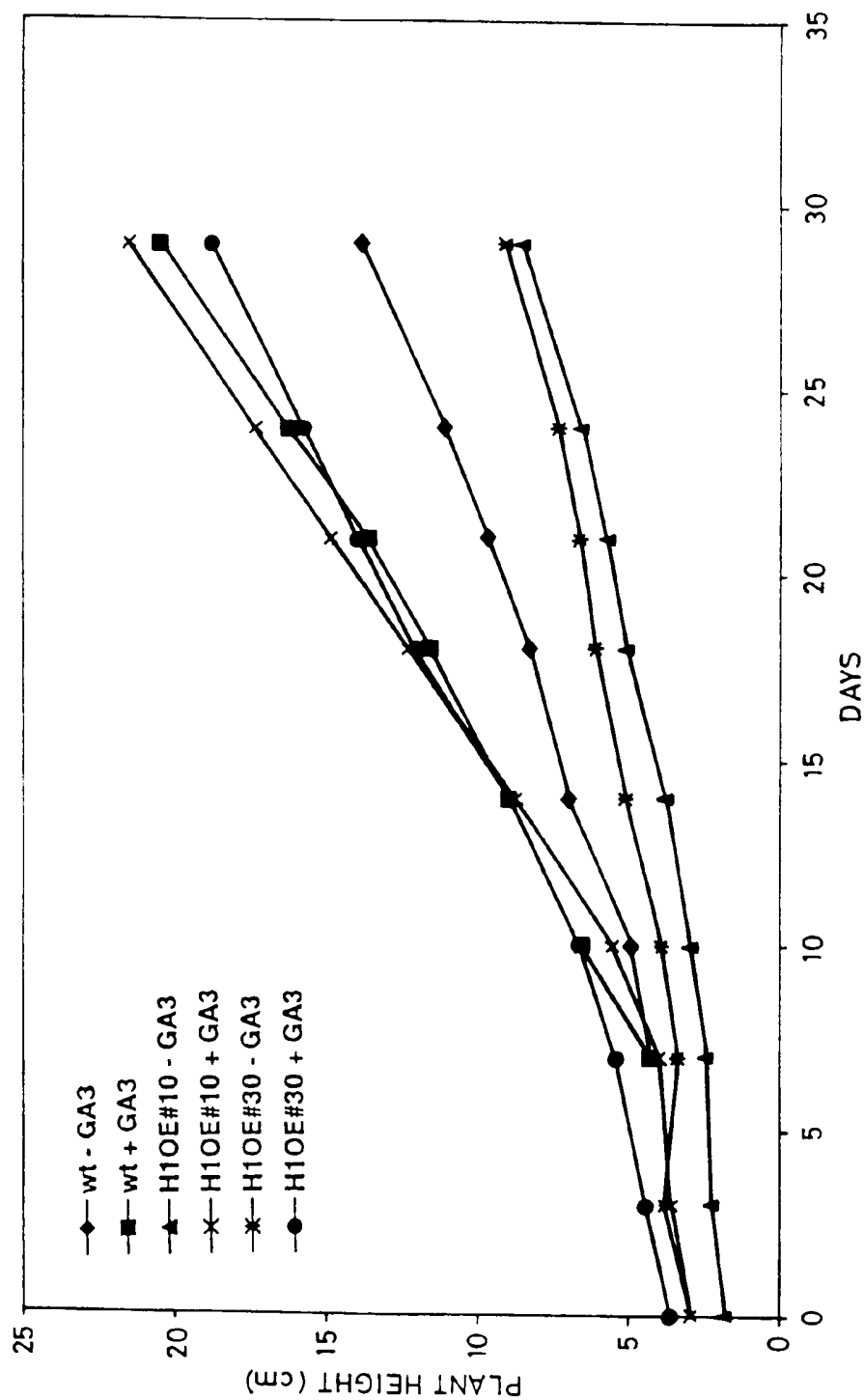


FIG. 6 REVERSION OF *AtH1* OVEREXPRESSION PHENOTYPE BY GA3



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FIG. 7

FLOWERING TIME OF ATH1 TRANSGENES

